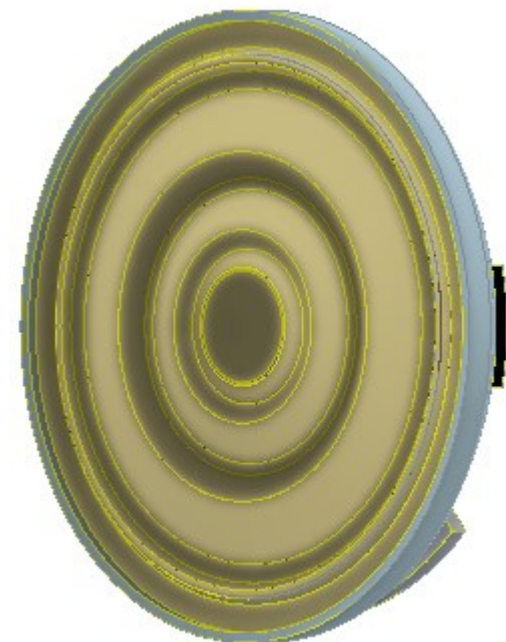


## AS01708MR-SC-2-R 17mm Speaker

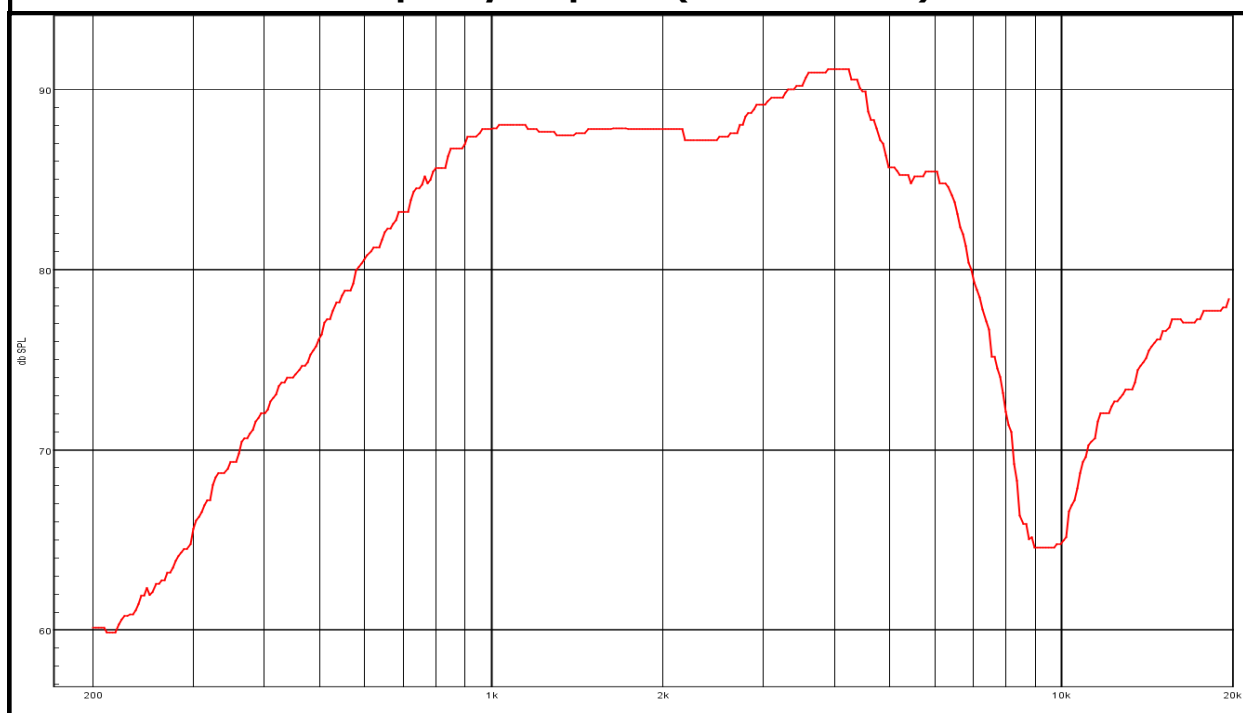
3541 Stop Eight Road • Dayton, Ohio 45414

### Product Overview

- 17mm diameter speaker with Neodymium magnet for 88 dB sensitivity
- 0.3W continuous, 0.5 maximum power handling and  $8\Omega$  impedance
- Mylar diaphragm for moisture resistance and spring contacts for quick connection
- Less than 5 mm thick for space-limited applications

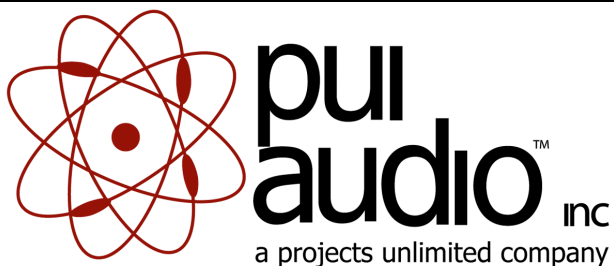


Frequency Response (0.1W @ 10 cm)



An initiative of the EEC and G&S

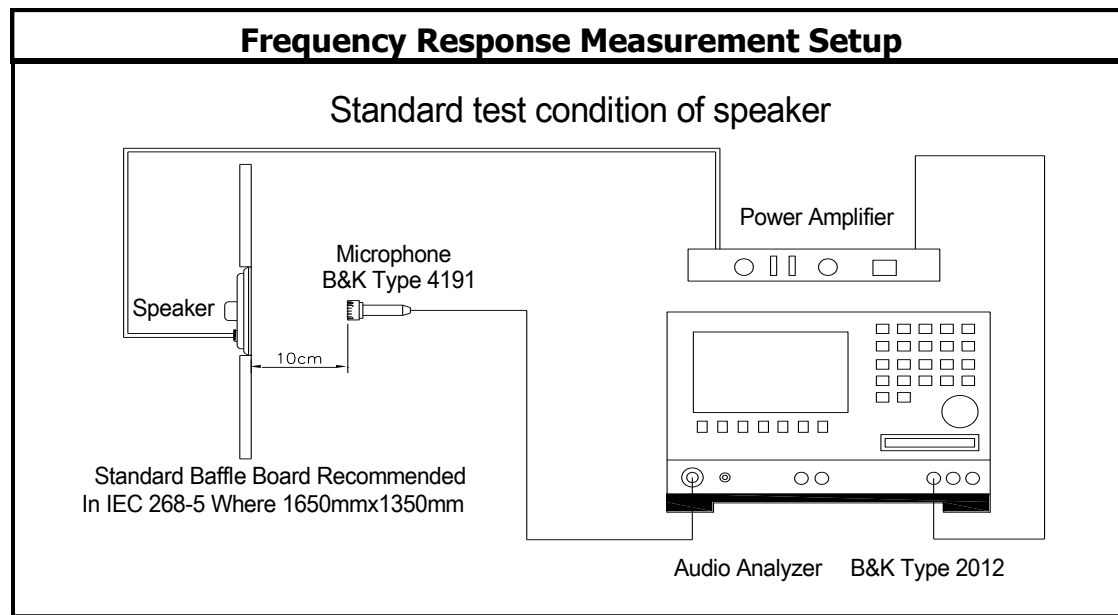




## AS01708MR-SC-2-R 17mm Speaker

Mechanical and Environment Testing	
Test Description	Test Condition
High Temperature	60°C with random humidity for 96 hours
Low Temperature	-30°C with random humidity for 1 hours
Humidity	40°C with 90% relative humidity for 96 hours
Vibration	1.5 mm movement modulated at 10 to 55 Hz for 2 hours
Drop Test	1m free fall onto 20 mm thick board, 5 cycles
Temperature Cycle Test	-30°C to 60°C, 5 cycles

After tests, speaker shall rest for 1 hours. SPL shall not deviate  $\pm 3$  dB from pre-test measurement.



## SPECIFICATIONS

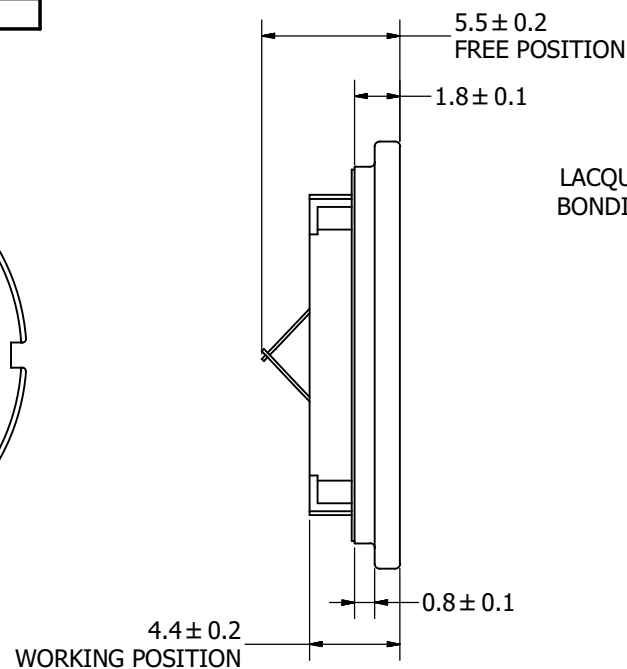
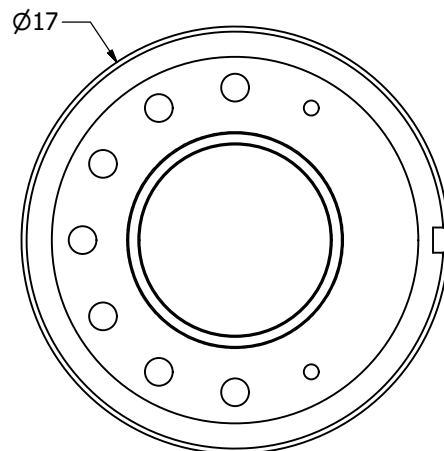
PARAMETERS	VALUES	UNITS
RATED INPUT POWER	0.3	W
MAX INPUT POWER	0.5	W
IMPEDANCE	$8 \pm 15\%$	OHM
OUTPUT SPL @ 0.1W/0.1M (AT 0.8, 1.0, 1.2, 1.5, kHz)	$88 \pm 3$	dBA
DISTORTION (MAX.)	5%	-
RESONANT FREQUENCY	$750 \pm 20\%$	Hz
FREQUENCY RANGE	750 ~ 5000	Hz
HOUSING MATERIAL	METAL	-
CONE MATERIAL	MYLAR	-
MAGNET MATERIAL	Nd-Fe-B	-
OPERATING TEMPERATURE	-20 ~ +50	°C
WEIGHT	1.6	grams

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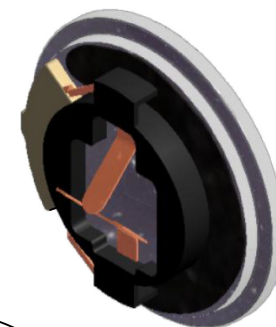
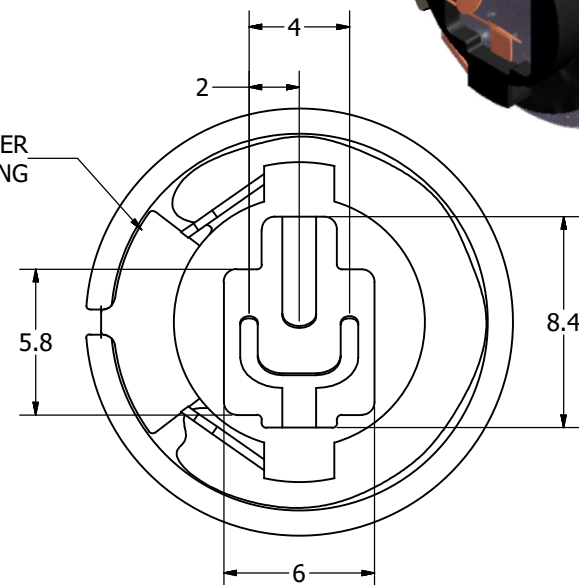
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## REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	5/16/2013	

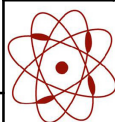


LACQUER BONDING



### NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
3. THIS PART IS RoHS 2011/65/EU COMPLIANT.

UNLESS OTHERWISE SPECIFIED:  DIMENSIONS ARE IN MILLIMETERS,  TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	SIZE	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
		J.D.	5/16/2013					5/16/2013
	A3	 <b>pui audio</b> ™ inc <small>a projects unlimited company</small>			AS01708MR-SC-2-R			
AS01708MR-SC-2-R.idw		Speaker					Edition	Sheet
							-	1 / 1

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